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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/589,597	05/30/2007	Huiling Liu	FI-83PCT	9890
⁴⁰⁵⁷⁰ FRIEDRICH K	7590 01/21/201 UEFF N ER	0	EXAMINER	
317 MADISON	AVENUE, SUITE 91		COVINGTON, RAYMOND K	
NEW YORK, NY 10017			ART UNIT	PAPER NUMBER
			1625	
			MAIL DATE	DELIVERY MODE
			01/21/2010	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/589,597	LIU ET AL.			
Office Action Summary	Examiner	Art Unit			
	Raymond Covington	1625			
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with the	correspondence address			
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDON	DN. timely filed im the mailing date of this communication. IED (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 30 M	<u>May 2007</u> .				
2a) This action is FINAL . 2b) Thi	This action is FINAL . 2b) ☐ This action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D. 11,	453 O.G. 213.			
Disposition of Claims					
4) Claim(s) 1-27 is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-27 are subject to restriction and/or	awn from consideration.				
Application Papers 9)☐ The specification is objected to by the Examin	or				
10) The drawing(s) filed on is/are: a) acc		e Examiner.			
Applicant may not request that any objection to the					
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E					
Priority under 35 U.S.C. § 119					
a) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documen 2. Certified copies of the priority documen 3. Copies of the certified copies of the priority documen application from the International Burea * See the attached detailed Office action for a list	nts have been received. Its have been received in Applica Pority documents have been recei au (PCT Rule 17.2(a)).	ation No ved in this National Stage			
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summa Paper No(s)/Mail 5) Notice of Informal 6) Other:	Date			

DETAILED ACTION

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Election/Restrictions

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

- I. Claims 1-19 in part, drawn to nonheterocyclic derivatives of formulas
 II, VI or VII, classified in multiple classes and subclasses. A single disclosed
 species is requested for search purposes.
- II. Claims 1-19 in part, drawn to heterocyclic derivatives of formulas II,VI or VII, classified in multiple classes and subclasses. A single disclosed species is requested for search purposes.
- III. Claims 1-19 in part, drawn to non-cyclic derivatives of formulas I,IIIa, IIIb, IV, or V, classified in multiple classes and subclasses. Asingle disclosed species is requested for search purposes.

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IV. Claim 20, drawn to a process of preparing congeneric compounds of formulas I, IV or, classified in multiple classes and subclasses. A single disclosed species is requested for search purposes.

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- V. Claims 21-22, drawn to a process of preparing congeneric compounds of formulas I, II, IV or VII, classified in multiple classes and subclasses. A single disclosed species is requested for search purposes.
- VI. Claim 23, drawn to a process of preparing congeneric compounds of formula III classified in multiple classes and subclasses. A single disclosed species is requested for search purposes.
- VII. Claims 24-27, drawn to the use of compounds of formulas I, II, IV or VII, classified in multiple classes and subclasses. A single disclosed species is requested for search purposes.

The inventions listed as Groups I -VII do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because

they are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In these claims, the numerous variables (e.g. A¹, A², A³, A⁴, B¹, B², Y, etc.) and their voluminous complex meanings and their seemingly endless permutations and combinations and the lengthy list of named compounds in claims 11, and 12, along with the numerous methods involved make it virtually impossible to determine the full scope and complete meaning of the claimed subject matter. As presented, the subject matter cannot be regarded as being a clear and concise description for which protection is sought and as such the listed claims do not comply with the requirements of PCT Article 6.

The compounds of groups I-III would not render the compounds of a different group I-III unpatentable.

The processes of groups IV-VI would not render the compounds of a different group IV-VI unpatentable.

Group VII would not encompass, for example compounds of group III

Applicants are required, in reply to this action, to elect a single species to
which the claims shall be restricted if no generic claim is finally held to be
allowable. The reply must also identify the claims readable on the elected species,
including any claims subsequently added. An argument that a claim is allowable

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or that all claims are generic is considered non-responsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Composition claim 23 will be searched with the corresponding elected subject matter.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence

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now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

No claim is allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Raymond Covington whose telephone number is (571) 272-0681. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Janet Andres at telephone number (571) 272-0867.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/R. C./ Examiner, Art Unit 1625 /Janet L. Andres/ Supervisory Patent Examiner, Art Unit 1625